

Title (en)  
SINGLE-CABLE AUTOMATIC IRD INSTALLATION PROCEDURE

Title (de)  
AUTOMATISCHES EINZELKABEL-IRD-INSTALLATIONSVERFAHREN

Title (fr)  
PROCÉDURE D'INSTALLATION AUTOMATIQUE DE RÉCEPTEUR-DÉCODEUR INTÉGRÉ MONOCÂBLE

Publication  
**EP 2700180 A4 20140903 (EN)**

Application  
**EP 12774820 A 20120412**

Priority  
• US 201161476257 P 20110416  
• US 201113112429 A 20110520  
• US 2012033228 W 20120412

Abstract (en)  
[origin: US2012264365A1] A method, apparatus, system, and computer program product for auto-installing an integrated receiver/decoder (IRD) includes issuing an auto-installation command from the IRD to an outdoor unit (ODU) and receiving a plurality of tones from the ODU in response to the auto-installation command, each tone representing a center frequency of available user bands (UBs). The auto-installation also includes acquiring a UB center frequency by the IRD, requesting the ODU to confirm a UB number corresponding to the acquired UB center frequency, and receiving confirmation from the ODU that a UB number corresponds to the acquired UB center frequency. The auto-installation also includes sending an acceptance of the assigned UB number from the IRD to signal the ODU that it may mark the assigned UB as assigned.

IPC 8 full level  
**H04H 20/74** (2008.01)

CPC (source: EP US)  
**H04H 20/63** (2013.01 - EP US); **H04H 40/90** (2013.01 - EP US); **H04N 21/426** (2013.01 - US); **H04N 21/443** (2013.01 - US); **H04N 21/6193** (2013.01 - US); **H04N 21/6334** (2013.01 - US); **H04N 21/6547** (2013.01 - US)

Citation (search report)  
• [I] EP 1693980 A2 20060823 - FTA COMM TECHNOLOGIES SARL [LU]  
• [A] WO 2010086884 A1 20100805 - SKY ITALIA S R L [IT], et al  
• See references of WO 2012145220A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 2012264365 A1 20121018; US 8639179 B2 20140128**; BR 112013026458 A2 20161227; CL 2013002972 A1 20140606; CN 103858365 A 20140611; CN 103858365 B 20160824; EP 2700180 A1 20140226; EP 2700180 A4 20140903; MX 2013012067 A 20140120; US 2014123194 A1 20140501; US 2015215681 A1 20150730; US 9042810 B2 20150526; US 9654838 B2 20170516; WO 2012145220 A1 20121026

DOCDB simple family (application)  
**US 201113112429 A 20110520**; BR 112013026458 A 20120412; CL 2013002972 A 20131014; CN 201280023620 A 20120412; EP 12774820 A 20120412; MX 2013012067 A 20120412; US 2012033228 W 20120412; US 201314135561 A 20131219; US 201514677475 A 20150402